



# Investigation Resumes

## Residential Wells to be Sampled

**Lammers Barrel Factory Site**  
Beavercreek, Ohio

April 2003

### For more information

To review a copy of the *Remedial Investigation/Feasibility Study Work Plan* or other information about the Lammers Barrel Factory site, please visit the library:  
Beavercreek Community Library  
3618 Dayton-Xenia Rd.  
Beavercreek, Ohio

You may also contact:

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A new round of sampling is set to begin at the Lammers Barrel Factory site in Beavercreek. Tests on soil, sediment, ground water, creek water and residential well water are part of a study called a remedial investigation. This study is required by the federal Superfund law. It will help fill gaps in information left after previous investigations and will lead to identifying final cleanup options.

### May start date scheduled

Sampling is scheduled to begin as soon as early May and will be done by a contractor (ARCADIS G&M Inc.) hired by the 20 parties — the Lammers Barrel Site Group — that agreed to conduct the investigation.

U.S. Environmental Protection Agency and Ohio EPA will approve the work and will be at the site regularly. Sampling will occur in phases over seven months, ending with a report due to EPA in spring 2004. Sampling will include the following:

- **Residential wells:** About 50 wells will be tested. EPA and Ohio EPA have already checked some of the wells in this group, but most have never been sampled. If your well is proposed for sampling, ARCADIS G&M Inc. will send you a letter requesting consent to sample and asking for a convenient time. EPA encourages you to participate in the sampling if you are contacted and to return the form promptly. If you want to find out more, please contact any of the individuals listed on this page.
- **Soil:** Soil samples will be collected from various depths, both on the site and on private property just outside of the site boundaries. Property owners will be contacted for permission to sample.
- **Ground water:** Monitoring wells will be installed both on the site and on adjacent private property. Test results will show which chemicals are in the ground water and where and in what direction they have moved.
- **Creek water and sediment (creek mud):** This testing will determine if contaminated ground water is flowing into Little Beaver Creek and if sediment poses a danger to people or animals who come in contact with it.

After the samples have been analyzed in the lab, EPA, Ohio EPA and the parties will review the results and may decide to take additional samples. EPA plans to meet with residents to present results. Residents will be notified of their individual results before the meeting.

## Next steps

Once sampling is complete, the parties will prepare a remedial investigation report. This report summarizes all investigations done to date. It also describes how people, animals and plants can come into contact with contaminants through touching, breathing, eating or drinking. It also explains the potential risk of cancer and other health problems this contact could cause. Information from the report is used to prepare a

feasibility study, which evaluates a variety of cleanup options. EPA will choose an option based on how well it protects public health and the environment, how well the community accepts it, how much it costs and other factors. Before EPA makes a decision, officials will hold a public hearing. For more information about the process, see the box below.

### **Superfund regulations and Lammers Barrel: How it all fits together**

As many long-time residents know, EPA and Ohio EPA have been studying the Lammers Barrel site for some time. In fact, EPA selected a cleanup remedy in 1999 which called for extending county water lines to several residences on Kenora Circle and installing equipment on the site to pump contaminated ground water and vapors from soil. The county lines were extended as planned. However, during the design of the pumping system, EPA found new contamination that could affect the success of the cleanup technology. EPA decided it was important to investigate further.

In September 2002, EPA proposed that the site be placed on the Superfund National Priorities List — making it eligible for federal funding — and took public comments on that proposal. EPA is reviewing public comments. There is no word yet on if or when the site will be placed on the list. In the meantime, EPA signed a legal agreement with 20 parties it considers to be among those legally responsible for the contamination due to historic involvement at the site. This group, called the Lammers Barrel Site Group, agreed to conduct and pay for the investigation under EPA supervision. Because EPA has proposed the site be on the Superfund list, the parties will follow the investigation and decision-making process required by Superfund regulations.

This is how that process works:

**Proposal to the Superfund National Priority List**  
(done September 2002)

**Placement on Superfund list** (awaiting decision)

**Remedial Investigation** - includes sampling of air, water, soil and sediment; assessment of site risk to people and the environment; and evaluation and summary of site contamination and related factors. The parties prepare a remedial investigation report. (In progress. Expected completion date: spring 2004)

**Feasibility Study** - a report prepared by the parties identifying various cleanup options to reduce risks. Options are compared against nine factors including effectiveness, community acceptance and cost.

**Proposed Plan** - a document that EPA prepares and mails to the community that summarizes the various cleanup options and identifies the cleanup option(s) that EPA prefers.

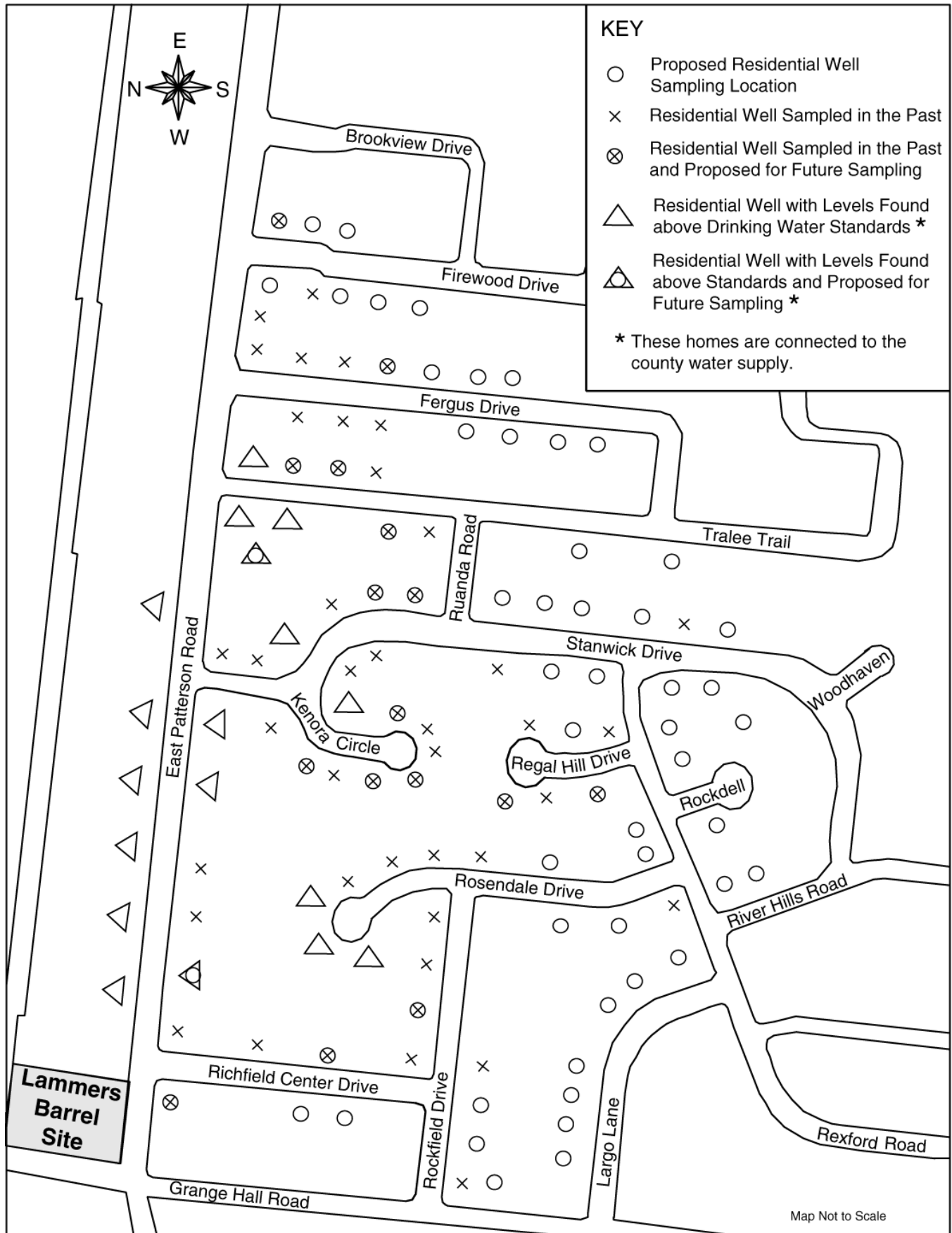
**Public Comment Period and Hearing** - EPA presents what is known about the site and the preferred cleanup option. The public has 30 days in which to comment. During this time, EPA holds at least one public hearing.

**Record of Decision** - a document that sets forth EPA's cleanup decision. It includes written answers to public comments.

**Remedial Design** - the parties prepare a document that provides the engineering and construction specifications for the cleanup plan.

**Remedial Action** - implementing the cleanup plan.

# Residential Well Sampling Locations



## Location

The 2-acre site is located at the northeast corner of the intersection of Grange Hall and East Patterson roads in Beavercreek, Ohio.

## Milestones

1954-69	Barrel facility operated.	1998	Community advisory group formed.
1969	Facility burned down.	1999	Cleanup plan proposed and approved.
1985	Chemicals found in residential wells along East Patterson Road.	2000	Water lines extended to four homes.
1986	Water lines extended.	2000	Design studies began, revealing new contamination.
1986-00	Residential wells monitored.	April 2001	Ground-water investigation begins.
1992	Site investigation began.	April 2002	EPA and parties sign legal order to conduct site investigation. Parties prepare for remedial investigation.
1997	Engineering evaluation/cost analysis started.	September 2002	EPA proposes site for Superfund list.
1998	Analysis completed.	March 2003	EPA and parties finalize work plan for additional sampling.

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